PATENT COOPERATION TRE

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WIPO PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

1	icant's or agent's file	e reference	FOR FURTHER A	CTION	See Form PCT/IPEA/416	•
1	International application No. International filing da PCT/EP2004/003514 02.04.2004		International filing date 02.04.2004	(day/month/year)	Priority date (day/month) 04.04.2003	vyear)
	International Patent Classification (IPC) or national classification and IPC A61K31/436, A61K31/164, A61P37/00, A61P17/00					
	Applicant NOVARTIS AG et al.					
1.	This report is the Authority under	e international pre Article 35 and tra	liminary examination rensmitted to the applicar	eport, established by this	s International Prelimina 3.	ry Examining
2.	This REPORT of	onsists of a total	of 6 sheets, including t	his cover sheet.		
3.	This report is al	so accompanied b	y ANNEXES, comprisi	ng:		
				eau) a total of 1 sheets,	•	
	sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).				is of this report on 607 of the	
	sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.				nent that goes o. I and the	
	sequenç	e listing and <i>l</i> or tat	oles related thereto, in c	ndicate type and numbe computer readable form 2 of the Administrative	er of electronic carrier(s)) only, as indicated in the Instructions).	, containing a Supplemental
4.	This report cont	ains indications re	elating to the following it	tems:		
	☑ Box No. I	Basis of the opi	nion			
	☐ Box No. II	Priority				
	🛛 .Box No. III	Non-establishm	ent of opinion with rega	ard to novelty, inventive	step and industrial applic	cability
	☐ Box No. IV	Lack of unity of	invention			
	Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				trial	
	⊠ Box No. VI	Certain docume				
	☐ Box No. VII		in the international app		£~	
	☐ Box No. VIII Certain observations on the international application					
Date	of submission of the	e demand		Date of completion of thi	s report	
23.1	0.2004	_		19.05.2005		
Name prelin	Name and mailing address of the international preliminary examining authority:			Authorized Officer		out chas Potration,
_	D-80298 N Tel. +49 8	Patent Office Nunich 9 2399 - 0 Tx: 5236 19 2399 - 4465	56 epmu d	Venturini, F Telephone No. +49 89 2	399-7847	
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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No. PCT/EP2004/003514

	Box No. I	Basis of the report
1.		d to the language , this report is based on the international application in the language in which it was so otherwise indicated under this item.
		eport is based on translations from the original language into the following language , is the language of a translation furnished for the purposes of:
	☐ pul	ernational search (under Rules 12.3 and 23.1(b)) olication of the international application (under Rule 12.4) ernational preliminary examination (under Rules 55.2 and/or 55.3)
2.	have been	d to the elements* of the international application, this report is based on <i>(replacement sheets which furnished to the receiving Office in response to an invitation under Article 14 are referred to in this originally filed" and are not annexed to this report):</i>
	Description	ı, Pages
	1-10	as originally filed
	Claims, Nu	mbers
	1-5	as originally filed
	□ a sequ	uence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing
3.	☐ the ☐ the ☐ the ☐ the	mendments have resulted in the cancellation of: c description, pages c claims, Nos. c drawings, sheets/figs c sequence listing (specify): y table(s) related to sequence listing (specify):
4.	had not be Supplement the the the	eport has been established as if (some of) the amendments annexed to this report and listed below en made, since they have been considered to go beyond the disclosure as filed, as indicated in the ntal Box (Rule 70.2(c)). I description, pages claims, Nos. I drawings, sheets/figs sequence listing (specify): I table(s) related to sequence listing (specify):
	* Tf i+	em 4 applies some or all of these sheets may be marked "superseded "

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No. PCT/EP2004/003514

		x No. III Non-establishment o Dicability	of op	inion with regard to novelty, inventive step and industrial	
1.	The	e questions whether the claimed invention appears to be novel, to involve an inventive step (to be non- vious), or to be industrially applicable have not been examined in respect of:			
		the entire international applicat	ion,		
	×	claims Nos. 3			
		because:			
	×	the said international application, or the said claims Nos. 3 relate to the following subject matter which does not require an international preliminary examination (specify):			
		see separate sheet			
		the description, claims or drawings (indicate particular elements below) or said claims Nos. are so unclear that no meaningful opinion could be formed (specify):			
		the claims, or said claims Nos. are so inadequately supported by the description that no meaningful opinion could be formed.			
		no international search report has been established for the said claims Nos.			
		the nucleotide and/or amino acid sequence listing does not comply with the standard provided for in Annex C of the Administrative Instructions in that:			
		the written form		has not been furnished	
		•		does not comply with the standard	
		the computer readable form		has not been furnished	
				does not comply with the standard	
		the tables related to the nucleo not comply with the technical re	tide : equir	and/or amino acid sequence listing, if in computer readable form only, do ements provided for in Annex C-bis of the Administrative Instructions.	
		See separate sheet for further	detai	ls .	

INTERNATIONAL PRELIMINARY REPORT **ON PATENTABILITY**

International application No. PCT/EP2004/003514

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)

Yes: Claims

1-5

1-5

Claims No:

Inventive step (IS)

Yes: Claims Claims

Industrial applicability (IA)

Yes: Claims

No:

1,2,4,5

No: Claims

2. Citations and explanations (Rule 70.7):

see separate sheet

Box No. VI Certain documents cited

1. Certain published documents (Rule 70.10)

and /or

2. Non-written disclosures (Rule 70.9)

see separate sheet

Box No. VIII Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

· see separate sheet

SECTION III

Claim 3 relates to subject-matter considered by this Authority to be covered by the provisions of Rule 67.1(iv) PCT. Consequently, no opinion will be formulated with respect to the industrial applicability of the subject-matter of these claims (Article 34(4)(a)(I) PCT).

SECTION V

- 1. The following documents are referred to in the present opinion. If not otherwise specified reference is made to the relevant passages cited in the International Search Report.
 - D1: EP-A-1 273 288
 - D2: CHAMLIN, S.L. ET AL.: "Ceramide-dominant barrier repair lipids alleviate childhood atopic dermatitis: Changes in barrier function provide a sensitive indicator of disease activity" J AM ACAD DERMATOL, vol. 47, no. 2, August 2002
 - D3: EP-A-1 074 263
 - D4: RUDIKOFF, D.: "Commentary: Eczema" CLINICS IN DERMATOLOGY, vol. 21, no. 2, March 2003 (2003-03), pages 93-94

D1 describes pharmaceutical compositions comprising an active agent selected between cyclosporin and an immunomodulator macrolide, a stabilizer and a solvent. Among the suggested stabilizers mention is made of sphingolipid and di-unsaturated (C_{12-24}) fatty acid.

Said compositions are useful in the treatment of inflammatory and hyperproliferative skin diseases including atopical, contact, eczematous and seborrhoeic dermatitis. D2 describes the effect of ceramide-based emollient in the treatment of childhood atopic dermatitis. All patients contemporary continued prior medications, in particular, 11 patients out of 24 were given topical tacrolimus and replaced their usual skin moisturizer with the ceramide-based emollient.

2. The present application meets the criteria of Article 33(1) PCT, because the subject-

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (SEPARATE SHEET)

International application No.

PCT/EP2004/003514

matter of claims 1-5 seems to be new and inventive in the sense of Article 33(2) and (3) PCT.

- 3. The term "synergistically" in claim 3, although very well defined in the description does not find support therein. No data give any evidence of an effective synergism, which therefore appears to be only a speculation.
- 4. For the assessment of the present claim 3 on the question whether it is industrially applicable, no unified criteria exist in the PCT Contracting States. The patentability can also be dependent upon the formulation of the claims. The EPO, for example, does not recognize as industrially applicable the subject-matter of claims to the use of a compound in medical treatment, but may allow, however, claims to a known compound for first use in medical treatment and the use of such a compound for the manufacture of a medicament for a new medical treatment.